

APPENDIX C

INFORMATION MANAGEMENT SYSTEMS

Air Force Automated Pricing Guide - A system, available to USAF project development and review personnel, that forecasts project costs based on historical pricing records and other conditions. The proponent for this system is HQUSAF/LEE.

Army Criteria Tracking System (ACTS) - A system, resident on PAX system, that provides a single source reference of space allowances, siting relationships, and other facilities criteria for use by the project programmer. The system combines data from the many space criteria documents published by the Army, while incorporating certain portions of the U.S. Army, Europe Facilities Planning Guide. The proponent for this system is the Installations Planning Division, Office of the Assistant Chief of Engineers, HQDA (DAEN-ZCI).

Army Defense Energy Information System (DEIS) (ADDS) - The DEIS is an automated engineering management system designed to collect and report energy consumption data for Army installations (including Army Reserves and National Guard) to support DA and DOD reporting requirements. ADDS will also provide management and analysis data to installation, MACOM and Army Energy managers. The ADDS was added to the PAX system in October, 1989. The proponent for this system is the Utilities Division, Directorate of Facilities Engineering, Engineering and Housing Support Center, Ft. Belvoir, VA. PAXID: EHSCFUN.

Army Facilities Components System (AFCS) - AFCS is a military engineering construction planning system for use in the theater of operations and other OCONUS contingencies requiring austere, temporary facilities. It provides standard designs, construction planning data for troop construction, bills of materials, and specifications to support contractor construction. The Theater Army Construction Automation Planning System (TACAPS) has been developed to provide MACOM and installation planners with an unclassified system for basing Army units in OCONUS contingencies. Using wartime planning criteria, facility requirements for each deployable unit in the Army have been developed to show specific AFCS designs, space and utilities requirements. The proponent of this system is the Military Engineering and Topography Division, Office of the Assistant Chief of Engineers (DAEN-ZCM).

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Army Force Modernization Facilities Planning System (FPS) and Support Facility Annex System (SFA) -- FPS provides military planners with the means to compute facility space allowances for 40 category codes representing the most frequently used unit-driven facilities. Computations are based on the TOE or TDA for each organization examined, and facilities allowances are calculated using current Army planning criteria. SFA is an electronic library of reports for new Army material systems. Each SFA report describes a material system with its associated support items and equipment. It also gives facilities allowances for training, maintenance, storage and day-to-day operations. The FPS and SFA is available in the PAX system. Proponent is the Architectural and Planning Branch, Engineering Division, Directorate of Military Programs, (CEMP-EA) PAXID: FPSINFO.

Automated Army Stationing and Installation Plan (ASIP) - A system that provides unit and stationing information from HQDA to MACOMs and installations. This information serves as a basis for the Five Year Construction Program and for master planning. The system is interactive, permitting MACOM's and installations to make off-line review and comment to their current ASIP. Proponent is the Installations Planning Division, Office of the Assistant Chief of Engineers, HQUSACE (DAEN-ZCI).

Automated Review Management System (ARMS) - This system was originated by the Construction Engineering Research Laboratory, tested by the Sacramento District, and is being fielded throughout Corps of Engineers divisions and districts during the early 1990's. ARMS records and tracks project review comments and provides rapid feedback to originators, making it very difficult for a comment to be ignored or "get lost". Proponent is the Engineering Management Branch of the Engineering Division, Directorate of Military Programs, HQUSACE (CEMP-ES).

A-E/Construction Contractor Appraisal Support System (ACASS/CCASS) - A system that permits preparation and filing of contractor performance evaluations made during and after the performance period of each USACE contract. The purpose of the system is to encourage a high level of performance from A-E's and contractors who do business with the Corps of Engineers. Proponent is the Construction Division, Directorate of Military Programs, HQUSACE (CEMP-C).

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Automated Management Construction Progress Reporting System (AMPRS) - An interactive tele-processing system, operational throughout the Corps of Engineers, that permits detailed tracking, cost accounting, and reporting of design and construction projects. Information generated by this system is used from area/resident engineer office level to Command Management Reviews conducted by the Chief of Engineers. Proponent is the Management Branch, Construction Division, Directorate of Military Programs, HQUSACE (CEMP-CM).

Computer-Aided Cost Engineering System (CACES) - An interactive system, currently operational throughout the Corps of Engineers, that allows the user to estimate project costs using an extensive file of the most current cost information. CACES is also available to installation master planners and MACOM programmers for their use in developing DD Forms 1391. Proponent is the Cost Engineering Branch, Engineering Division, Directorate of Military Programs, HQUSACE (CEMP-EC).

Computer-Aided Drafting and Design (CADD) Systems - These systems accomplish drawing, mapping, charting, and illustration tasks which have in the past been executed manually in a drafting room. In 1988, HQUSACE made a Corps-wide procurement of CADD equipment and support including Intergraph software, maintenance and training. The Corps contract provides an option for DEHs to buy equipment off the contract, provided that local DOIMs have approved equipment acquisition. DEHs may also procure reasonably priced PC-CADD systems that interface with the USACE district mainframe or minicomputer. Proponent is a users group jointly sponsored by the Engineering Division, Directorate of Military Programs, and the Engineering and Housing Support Center. Proponent At HQUSACE is Engineering Management Branch, Engineering Division, Directorate of Military Programs (CEMP-ES).

Construction Appropriation Programming, Control and Execution System (CAPCES) - This system, part of MILCON PAX, lets users manage and track individual projects in the Military Construction Program through the planning, programming, budget and execution phases. The System provides project and program status reports to Congress, OMB, OSD, Assistant Secretary of the Army, IL&E, and various DA, MACOM and USACE activities. A new subset called MOBPRO will perform the same function for mobilization projects. Proponent is the Programming and Execution Support Office, Directorate of Military Programs, HQUSACE (CEMP-P).

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Construction Evaluation Retrieval System (CERS) - A system that records, for simple recall, data relating to design and completion evaluations, post-completion inspections, design criteria improvement recommendations, and construction transfer and warranty information. The system draws upon all the recorded design and construction errors which have occurred in the design of Corps projects and allows us to learn from our past mistakes. The Construction Evaluation Branch of the Huntsville Division Engineer is proponent.

Contracting Documents and Specifications on Compact Disks--Read Only Memory (CD-ROM) - Information services available to PC users provides up-to-date specifications, procurement and contracting policy to stay abreast of the constant changes that occur. The proponent for contracting documents is the Policy Branch, Construction Division, Directorate of Military Programs, HQUSACE (CEMP-CP). Proponent for specifications is the Architectural and Planning Branch, Engineering Division, Directorate of Military Programs, HQUSACE (CEMP-EA).

Corps of Engineers Management Information System (COEMIS) - A manpower and finance and accounting reporting system operational throughout the Corps of Engineers. Proponent is the Directorate of Resource Management, HQUSACE (CERM).

DD Form 1391 Processor - An interactive tele-processing system, part of MILCON PAX, that assists in the preparation and review of DD Forms 1391 for many construction programs. The main functions of this system are to assistance in preparing, editing, submitting and distributing DD Forms 1391 throughout the Army, calculating space allowances, estimating primary facilities costs, and providing a single source of official DD Forms 1391 for all organizations from the installation to the staff and secretariat level of DA. A companion system, the DD Form 1390 Processor, allows users to electronically prepare, review, accept and print out installation data in support of military construction. Proponent is the Programming and Execution Support Office, Directorate of Military Programs, HQUSACE (CEMP-P).

Design Criteria Information System (DCIS) - DCIS is an automated repository of design criteria envisioned to be most often used by the Army. Not all design criteria are in DCIS. The criteria documents in the system are the most current version available, and consist of either the original manuscript or updated editions where changes have been made. Users have the option to "browse" or "print" criteria 24 hours a day, seven days a week. The proponent for DCIS is the Architectural and Planning Branch, Engineering Division, Directorate of Military Programs (CEMP-EA) PAXID: DCIS1.

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Desktop Resource Real Property (DR-REAL) - This is a PC-based Real Property Office automation program. It provides many automated tools for the completion and management of installation Real Property Office functions including assets accounting tools to help improve the data presently in HQIFS. It also provides a means to move the real property records into other computer applications, e.g., key control inventories, word processing, and spread sheet software. Proponent is the Planning Division, Directorate of Facilities Engineering, Engineering and Housing Support Center (CEHSC-FP-R) PAXID: EHSCRPMF.

Directive Network (DIRNET) - A system, part of MILCON PAX, that electronically issues a design directive to the Corps of Engineers division which will review and release the 1391 to the district simultaneously with the directive. DIRNET electronically ties HQUSACE to all divisions and districts as well as the MACOMs and installations. Once a directive is issued, it is instantly transmitted to all addressees for their information and action. DIRNET is used to issue Army, Air Force and DOD project directives. Proponent is the Project Management Division, Directorate of Military Programs, HQUSACE (CEMP-MA).

Economic Analysis Computer Package (ECONPACK) - This system provides generic analytic capabilities and standardized economic analysis methodology and calculations to support a wide range of capital investment categories. The system performs standard life-cycle cost calculations. A sensitivity analysis feature and graphics capability are included in the program. Mainframe and PC versions of ECONPACK are available. Proponent is the Programming and Execution Support Office, Directorate of Military Programs, HQUSACE (CEMP-P) PAXID: ECON01, ECON02.

Facilities Engineering Job Estimating System (FEJE) - A tri-service, minicomputer-based, interactive job estimating system designed to support job scoping and detailed estimating at the installation level. It computes work-hour requirements using engineered performance standards, and automatically produces work order documents, job phase calculations sheets and bills of materials. Proponent is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA. (CEHSC-SS).

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Facilities Engineering Supply System (FESS) - An automated inventory control and supply management system that supports installation-level DEH operations. The system has interactive capability with IFDEP, FEJE, and IFS. FESS provides a tool to improve supply operations management and inventory control, reducing delays on jobs awaiting materials because warehouses are more efficiently stocked and resupplied. Proponent for this system is the Systems Maintenance Branch, Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA.

Headquarters-Level Integrated Facilities System (HQIFS) - A family of automated engineering management systems that use data collected by installation level systems and other sources. HQIFS provides facilities and cost data for Army installations worldwide to SUBMACOM, MACOM, HQDA and above. The system operates on the PAX commercial remote access mainframe computer environment. Proponent is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA. (CEHSC-SS) PAXID: EHSCSOS.

Headquarters-Level Integrated Facilities System, Backlog of Maintenance and Repair (BMAR) - This system will allow electronic submission of the quarterly DA Form 4954-R, which reports current backlog of maintenance and repair. MACOMs will be able to review and adjust the data reported by the installations. Proponent is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA. (CEHSC-SS) PAXID: EHSCSOS.

Headquarters-Level Integrated Facilities System, Inventory and Resource Planning Module (IRP-ASSETS) - The Army wide real property inventory database. This system supports the DA staff and MACOMs in the areas of inventory, facilities planning and management. It satisfies DA reporting requirements for assets data for both peacetime and mobilization planning. Proponent is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA. (CEHSC-SS) PAXID: EHSCSOS.

Headquarters-Level Integrated Facilities System Technical Data Reporting System (TDRS) - The TDRS consists of PC and PAX resident databases which support the entry, validation and use of the Technical Data Report, thereby producing the Annual Summary of Operations (Redbook). Proponent is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA. (CEHSC-SS) PAXID: EHSCSOS.

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Headquarters-Level Integrated Facilities System, Unconstrained Requirements Reporting (URR) - This system supports the URR reporting requirement, provides standard and ad hoc reports, adjusts the data to changing monetary conditions, and presents it for budgeting and budget review functions. Proponent is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA. (CEHSC-SS) PAXID: EHSCSOS.

Housing Operations Management System (HOMES) - A standard Army Multi-command Management Information System that provides installation housing managers with automated support for housing referral, housing surveys, furnishings management, financial management, and unaccompanied personnel and transient billeting. HOMES is linked to Army Standard systems and to the IFS-M data base. Proponent for this system is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA (CEHSC-SH).

Integrated Facilities Data Entry Process (IFDEP) - An interactive preprocessor for IFS that provides on-line data entry and retrieval for service orders and individual job orders. IFDEP creates IFS transactions on tape to update IFS-I. The system is designed to "front end" IFS-I, but it can stand alone and provide basic management information. In either mode, IFDEP provides basic management information interactively or thorough its menu of reports. Proponent for this system is the Systems Maintenance Branch, Systems Integration Directorate, Engineering and Housing Support Center, Ft. Lee, VA (CEHSC-SS-M).

Integrated Facilities System I (Batch) - Is the installation level management system of IFS. It is a multi-command, automated information and evaluation system that encompasses the life-cycle management of Army real property resources from conception through design, construction, operation, maintenance and disposal. It will be replaced by IFS-M. Proponent for this system is the Systems Maintenance Branch, Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA (CEHSC-SS-M).

Integrated Facilities System, Increment II - An automated system that provides data and scenarios for master planning and stationing decision-making at all levels of command. The Army Stationing and Installations Plan (ASIP) module provides installation unit force structure data for the Five Year Defense Plan. The Stationing Analysis Model (SAM) is a part of this system. Proponent is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA (CEHSC-SS).

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Integrated Facilities System - Mini/microcomputer Architecture (IFS-M) - A redesign of IFS that expands the capability of the batch system and will replace IFS-I, IFDEP and FEJE. The system will operate and be maintained on a locally controlled mini/microcomputer network with telecommunications links to HQDA for upward reporting. The architecture is compatible with the Army Information Architecture (DA PAM 25-1). Proponent for this system is the Systems Integration Directorate, Engineering and Housing Support Center, Ft. Belvoir, VA (CEHSC-SS).

Job Order Contracting System (JOC) - An interactive system that gives DEH's the capability of pricing detailed task specifications for real property maintenance work. JOC develops, verifies, and updates construction proposals and manages construction contracts. Software use is restricted to those installations that have JOC contract capability. The system operates on the IBM PC or PC-compatible microcomputers. Proponent for this system is the Engineering and Housing Support Center, Ft. Belvoir, VA. (CEHSC-FS).

Mobilization Drawings (M-DRAWINGS) - Definitive designs for Army mobilization construction are on file at military support districts and divisions throughout the Corps of Engineers. Currently, designs are available for approximately 130 facility types. M-Drawing information is available to those having access to Intergraph CADD equipment and in hard copy from the division and district offices. Proponent is the Architectural and Planning Branch, Engineering Division, Directorate of Military Programs, HQUSACE (CEMP-EA).

Multi-Year Plan (MYPLAN) - This system is designed to provide automated methods for preparing, reviewing and approving the Five Year Program (FYP), the Long Range Construction Program (LRCP) for the POM. These data are maintained in common data fields in CAPCES, and in the 1391 Processor. Proponent is the Programming and Execution Support Office, Directorate of Military Programs, HQUSACE (CEMP-P).

Pavement Maintenance Management System (PAVER) - PAVER gives DEH's a decision making tool to enable cost effective maintenance for roads, streets, parking areas and airfields. PAVER records a systematic inspection of the pavement's surface distresses and calculates a numerical condition index. The index is used to develop maintenance priorities and strategies. Proponent is the Buildings and Grounds Division, Engineering and Housing Support Center, Ft. Belvoir, VA (CEHSC-FB-P).

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Project Design and Construction (PDC) System, (USAF) - PDC is the computerized management information system used by the Air Force to track programming, design, and construction on all engineering projects. Data is maintained and updated by MAJCOM's, design and construction managers, and Headquarters, USAF. PDC uses menu driven report software and users may utilize simple reports to extract data in a format easy to analyze. Reports can be extracted by anyone with access to PDC. The system can be programmed to produce graphs, briefings, network with others to exchange data for tele-conferences, create executive reports, etc. AF/LEE is proponent for this system.

Military Construction Program Analysis and Execution System (MILCON PAX) - The Corps of Engineers Military Construction Management and Reporting System has been expanded to provide computer assistance to all engineers throughout the Army. PAX consists of many applications described elsewhere in this appendix to include the 1391 Processor, CAPCES, ECONPAK, ACTS, DCIS, PAXMAIL, RPLANS, FPS, and DIRNET. Primary proponent is the Programming and Execution Support Office, Directorate of Military Programs, HQUSACE (CEMP-P).

Programming, Administration and Execution (PAX) Electronic Mail System (PAXMAIL) - An electronic mail system tailored to operate in the military construction programming, administrative, and execution environment. The system has recently been redesigned to provide a faster, economical and versatile system for informal daily business transactions between any members of the Army engineer family. Proponent is the Programming and Execution Support Office, Directorate of Military Programs, HQUSACE (CEMP-P).

PCDUGOUT - A PC/mainframe integration system designed to allow transfer of applications and utilities to and from any user who has access to the PAX system. The system will provide a fully automated file transfer capability and an on-line newsletter addressing PAX techniques and applications. Proponent is the Construction Engineering Research Laboratory, Champaign, ILL (CECERL).

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Real Property Planning and Analysis System (RPLANS) - An integrated automated master planning tool, incorporating aspects of the Force Modernization Facilities Planning System (FPS), that provides planners/programmers with the capability to efficiently calculate peacetime facility space allowances and compare them to available real property assets for a range of facility types. This multi-level system is to be a stand-alone user of IFS-M data. It is being fielded in the early 1990s at the installation level and, concurrently, as HQRPLANS at the MACOM and DA levels. The proponent is the Installations Planning Division, Office of the Assistant Chief of Engineers, HQUSACE (DAEN-ZCI).

Voice Activated Inspection System (VAIC) - The U.S. Army Construction Engineering Research Laboratory has developed an inspection support system that permits all types of inspectors and designers to make field observations on a hand held recorder, then to print final comments by using a personal computer equipped with a voice recognition system. Efficiency is increased by eliminating the need to write observations, thereby allowing greater focus on actual observation. Proponent is the Construction Engineering Research Laboratory, Champaign, IL. (CECERL).